

# AS Science: Computer Science

The following provides information regarding courses required to complete this major at Virginia Western for planning purposes

Completed	Course	Course Title	Credit	Requisite	Term Offered
	SDV 101	Orientation to Information Technology	2		F, Sp
	MTE 1	Operations with Positive Fractions	**	Math Placement	F, Sp, Su
	MTE 2	Operations with Positive Decimals and Percents	**	MTE 1	F, Sp, Su
	MTE 3	Algebra Basics	**	MTE 2	F, Sp, Su
	MTE 4	First Degree Equations and Inequalities in One Variable	**	MTE 3	F, Sp, Su
	MTE 5	Linear Equations, Inequalities and Systems of Linear Equations in Two Variables	**	MTE 4	F, Sp, Su
	MTE 6	Exponents, Factoring and Polynomial Equations	**	MTE 5	F, Sp, Su
	MTE 7	Rational Expressions and Equations	**	MTE 6	F, Sp, Su
	MTE 8	Rational Exponents and Radicals	**	MTE 7	F, Sp, Su
	MTE 9	Functions, Quadratic Equations and Parabolas	**	MTE 8	F, Sp, Su
	ENG 111	College Composition I	3	English Placement	F, Sp, Su
	MTH 167	Pre-Calculus with Trigonometry	5	MTE 1-9	F, Sp, Su
	ITP 100	Software Design	3		F, Sp, Su
	MTH 263	Calculus I	4	MTH 167 - C	F, Sp, Su
	ENG 112	College Composition II	3	ENG 111	F, Sp, Su
	ITD 130	Database Fundamentals	3		F, Sp, Su
	SOC SCI	ECO 201, GEO 210, HIS 111, HIS 112, PLS 211, PSY 200 or SOC 200	3		F, Sp, Su
	HUM/FA	ART 101, ART 102, CST 130, MUS 121, MUS 122, PHI 101 or REL 230	3		
	HIS 121	United States History I	3		F, Sp, Su
	MTH 264	Calculus II	4	MTH 263 - C	F, Sp, Su
	CSC 201	Computer Science I	4	Co: MTH 263	F
	ITP 120	Java Programming I	4	ITP 100	Sp
	SCI ELEC I	BIO 101, CHM 101, CHM 111, GOL 105, NAS 131, or PHY 201	4	Differs based on course chosen	F, Sp, Su
	SOC SCI	ECO 201, GEO 210, HIS 111, HIS 112, PLS 211, PSY 200 or SOC 200	3		F, Sp, Su
	CSC 202	Computer Science II	4	Pre: CSC 201 or ITP 120 Pre/CO: MTH 264	Sp
	ITP 220	Java Programming II	4	Pre: ITP 120 Pre/Co: ITD 130	F
	HUM/FA	ART 101, ART 102, CST 130, MUS 121, MUS 122, PHI 101 or REL 230	3		
	MTH 288	Discrete Mathematics	3	MTH 263 - C	F, Sp
	SCI ELEC II	BIO 102, CHM 102, CHM 112, GOL 106, NAS 132 or PHY 202	4	SCI ELEC I	F, Sp, Su

\*\*MTE classes are developmental courses. Students may place out of these classes based on various measures, including high school GPA, standardized test scores, or placement testing.

**Total program credits: 62**